

ABSTRACT

Methods, systems, and apparatuses are provided to emulate bus transactions for a device under test (DUT). Test data is sent from a testing device to a cache of a DUT. When data needs to be read or written to locations outside of the cache (*e.g.*, bus action is needed), a pseudo bus agent (PBA) is activated. The PBA emulates
5 the reads or writes and provides pseudo data back to the cache. In some embodiments, results of bus transactions are compressed to form a bus signature that is provided back to the testing device for validation.

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